



FORM PTO-1449		Atty Docket: 28549-165554		Continuation-In-Part Appl. No. 09/638,150 of Pending U.S. Appln. No. 09/592,249			
INFORMATION DISCLOSURE STATEMENT		Applicant: James L. RICHARDS et al.					
		Filing Date: August 15, 2000		Group: (Unassigned)			
U.S. PATENT DOCUMENTS							
Examiner Initial		U.S. Patent No.	Date	Name	Class	Sub-Class	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS						RECEIVED OCT 24 2000 TECH CENTER 2700	
		Document Number	Date	Country	Class	Sub-Class	Translation
	AL						
	AM						
	AN						
	AO						
	AP						
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	AR	<del>Comments of Pulson Communications Corporation in the Matter of Amendment of the Commission's Rules to Establish New Personal Communications Services as filed at the Federal Communications Commission on November 9, 1992; GEN. Docket No. 90-314; ET Docket No. 92-100</del>					
	AS						
	AT						
Examiner <u>David Long</u>					Date Considered 7/15/04		
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

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**Complete if Known**

Application Number	09/638,150
Filing Date	August 15, 2000
First Named Inventor	James L. RICHARDS et al
Group Art Unit	2734
Examiner Name	Unassigned
Attorney Docket Number	28549/165554

(use as many sheets as necessary)

Sheet	1	of	2
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U.S. PATENT DOCUMENTS						
Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
DL	A1	4,928,316		HERITAGE et al.	05/22/90	
	A2	6,160,802		BARRETT	12/12/00	
	A3	5,610,907		BARRETT.	03/11/97	
	A4	3,728,632		ROSS	04/17/73	
	A5	5,377,225		DAVIS	12/27/94	
	A6	5,793,759		RAKIB et al.	08/11/98	
	A7	4,170,757		SKUDERA et al.	10/09/79	
	A8	4,641,317		FULLERTON	02/03/87	
	A9	4,743,906		FULLERTON	05/10/88	
	A10	4,813,057		FULLERTON	3/14/89	
	A11	5,960,031		FULLERTON et al.	09/28/99	
	A12	5,963,581		FULLERTON et al..	10/05/99	
	A13	4,979,186		FULLERTON	12/18/90	
	A14	5,677,927		FULLERTON et al.	10/14/97	
	A15	5,687,169		FULLERTON	11/11/97	
	A16	5,832,035		FULLERTON	11/03/98	
DL	A17	5,363,108		FULLERTON	11/08/94	

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David Lopez

7/15/04

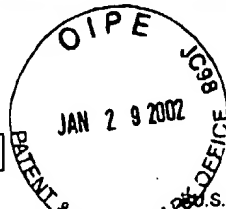
<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 2 of 2

## **Complete if Known**

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First Named Inventor	James L. RICHARDS et al.
Group Art Unit	2734
Examiner Name	Unassigned
Attorney Docket Number	28549/165554

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## **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume number(s), publisher, city and/or country where published.	Technology Center 2600
	A18	S.V. MARIC et al., "A Class of Frequency Hop Codes With Nearly Ideal Characteristics For Use In Multiple-Access Spread-Spectrum Communications And Radar And Sonar Systems", IEEE Transactions on Communications, Vol.40(9):1442-1447, (1992)	
	A19	E. L. TITLEBAUM et al., "Time-Frequency Hop Signals Part I: Coding Based Upon The Theory Of Linear Congruences", IEEE Transactions On Aerospace And Electronic Systems", Vol. AES-17(4):490-493, (1981)	
	A20	E. L. TITLEBAUM et al., "Time-Frequency Hop Signals Part II: Coding Based Upon Quadratic Congruences", IEEE Transactions On Aerospace And Electronic Systems", Vol. AES-17(4):494-500, (1981)	
	A21	E.L. TITLEBAUM et al., "Ambiguity Properties Of Quadratic Congruential Coding", IEEE Transactions On Aerospace And Electronic Systems", Vol. 27(1): 18-29, (1991)	
	A22	R.A. SCHOLTZ, "Multiple Access With Time-Hopping Impulse Modulation", Communication Science Institute, University of Southern California, Los Angeles, CA (1993)	
	A23	A. ALBICKI et al., "Transmitter And Receiver Design For Rilot Project, Phase I", Technical Report #1, for Rochester Gas and Electric Corporation, pp.726-742, (1988)	
	A24	BELLEGRADA et al., "Time-Frequency Hop Codes Based Upon Extended Quadratic Congruences", IEEE Transactions On Aerospace And Electronic Systems, Vol.24(6):726-742, (1988)	
	A25	BELLEGRADA et al., "The Hit Array: An Analysis Formalism For Multiple Access Frequency Hop Coding", IEEE Transactions On Aerospace And Electronic Systems, Vol.27(1):30-39, (1991)	
	A26	BELLEGRADA et al., "Amendment to time-Frequency Hop Codes Based Upon Extended Quadratic Congruences", IEEE Transactions On Aerospace And Electronic Systems, Vol.27(1):167-172, (1991)	
	A27	DRUMHELLER et al., "Cross-Correlation Properties Of Algebraically Constructed Costas Arrays", IEEE Transactions On Aerospace And Electronic Systems, Vol.27:2-10, (1991)	
	A28	KOSTIC et al., "The Design Of New Optical Codes And Time-Hopping Patterns For Synchronous Spread-Spectrum Code Division Multiple-Access Communication Systems", IEEE, ICC, pp. 585-589, (1991)	

Examiner Signature	<i>David Lugo</i>	Date Considered	7/15/04
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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